

WHAT IS CLAIMED IS:

1 1. A telecommunications method, comprising:
2 transmitting a transmit slot as part of a first active connection in a frame at a
3 first frequency between a base station and a mobile unit;
4 determining that said slot has been interfered with; and
5 retransmitting at least a predetermined portion of said transmit slot, during a
6 subsequent frame on a second frequency or during the same frame on the same
7 frequency .

1 2. A telecommunications method in accordance with claim 1, further
2 comprising receiving said transmit slots in a ring memory, wherein data are read into
3 said memory at a first rate and read out of said memory at a second rate higher than
4 said first rate.

1 3. A telecommunications method in accordance with claim 2, wherein
2 said frame is adapted to include up to four active connections.

1 4. A telecommunications method in accordance with claim 3, wherein a
2 duration of said frame is ten (10) milliseconds.

1 5. A telecommunications device, comprising:
2 a receiver adapted to receive a first data slot in a frame at a first carrier
3 frequency during a communication;
4 a carrier quality unit adapted to determine if said first carrier frequency is
5 interfered with;
6 wherein said receiver is adapted to receive a retransmission of said first data
7 slot at a next carrier frequency during a next frame if said first carrier frequency is
8 interfered with or on the same frame during a later slot.

1 6. A telecommunications device in accordance with claim 5, further
2 comprising a ring memory for storing said first and next data slots, wherein data are
3 read into said ring memory at a first rate and read out of said memory at a second

4 rate higher than said first rate.

1 7. A telecommunications device, in accordance with claim 6, wherein said
2 receiver is adapted to receive frames of length 10 milliseconds.

1 8. A telecommunications device in accordance with claim 7, wherein a
2 frame is adapted to include up to four active connections, each connection
3 comprising a transmit slot and a receive slot.

1 9. A telecommunications device, comprising:
2 means for transmitting a transmit slot as part of a first active connection in a
3 frame at a first frequency between a base station and a mobile unit;
4 means for determining that said slot has been interfered with; and
5 means for retransmitting said transmit slot during a subsequent frame on a
6 second frequency or during the same frame on the same frequency.

1 10. A telecommunications device in accordance with claim 9, further
2 comprising means for receiving said transmit slots in a ring memory, wherein data
3 are read into said memory at a first rate and read out of said memory at a second
4 rate higher than said first rate.

1 11. A telecommunications device in accordance with claim 10, wherein
2 said frame is adapted to include up to four active connections.

1 12. A telecommunications method in accordance with claim 11, wherein a
2 duration of said frame is ten (10) milliseconds.

1 13. A telecommunications system, comprising:
2 a plurality of telecommunications devices, at least two of said
3 telecommunications devices comprising:
4 a receiver adapted to receive a first data slot in a frame at a first carrier
5 frequency during a communication; and

6 a carrier quality unit adapted to determine if said first carrier frequency
7 is interfered with;

8 wherein said receiver is adapted to receive a retransmission of said
9 first data slot at a next carrier frequency during a next frame or in the same
10 frame during a later slot if said first carrier frequency is interfered with.

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1 14. A telecommunications system in accordance with claim 13, said at
2 least two further comprising a ring memory for storing said first and next data slots,
3 wherein data are read into said ring memory at a first rate and read out of said
4 memory at a second rate higher than said first rate.

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